

Appendix D

MDOT Best Management Practices

THIS PAGE BLANK

MDOT-Approved BMPs

Included in this Appendix is a list of the January 2004 approved BMPs per Chapter 9 of the Drainage Manual. The approved BMP list is subject to change. Refer to the Drainage Manual for updated information. Selected BMPs are identified as structural or non-structural. BMPs are used during the construction phase to minimize soil erosion and sedimentation.

Structural BMPs

Structural BMPs are physically constructed controls that may remove pollutants from runoff or limit the rate of runoff from MDOT right-of-way (ROW) and other facilities. Structural BMPs include temporary and permanent BMPs. The following is a list of the structural BMPs approved by MDOT as appropriate for its activities: (Additional details are located in Chapter 9 of the Drainage Manual.)

- Aggregate Cover
- Benches
- Check Dam
- Cofferdam
- Construction Dam
- Diversion Dike
- Drop Inlet Sediment Trap
- Energy Dissipators
- Geotextile Silt Fence
- Gravel Access Approach
- Gravel Filter Berm
- Infiltration Trench
- Inlet Protection Fabric Drop
- Inlet Protection Geotextile and Stone
- Intercepting Ditch
- Intercepting Ditch and Diversion Dike
- Outlet Protection
- Pipe Drop
- Plastic Sheets
- Pond (Basin)
- Riprap
- Sand and Stone Bags
- Sand Fence and Dune Stabilization
- Sediment Basin (Size greater than 5 cubic yards)
- Sediment Trap (Size less than 5 cubic yards)
- Slope Drain Surface
- Slope Roughening and Scarification
- Stream Relocation
- Temporary Bypass Channel
- Turbidity Curtain

Non-Structural BMPs

Non-structural BMPs are preventative actions that involve managerial planning and source controls. The approved non-structural BMPs are described below and are further divided into operational and vegetative BMPs: (Additional details are discussed in Chapter 9 of the Drainage Manual.)

Operational BMPs

- BMP Inspection and Maintenance Plan
- Clean and Maintain Storm Drain Ditches
- Clean and Maintain Storm Inlet and Catch Basins
- Dewatering by Filter Bag/Sediment Basin
- Dust Control
- Employee Training
- Litter Control (Maintenance)
- Materials Management Plan
- Minimizing Effects of Highway De-icing (Maintenance)
- Slope Roughening and Scarification
- Street Sweeping (Maintenance)
- Used Oil Recycling Program

Vegetative BMPs

- Mulch Blankets and High Velocity Mulch Blankets
- Mulching and Mulch Anchoring
- Permanent/Temporary Seeding
- Sodding
- Trees, Shrubs, Vines, and Groundcover
- Vegetated Buffers at Watercourse
- Vegetative Buffer Strips